

Power Cost Memorandum Fuel Cost Update and Surcharge Change

Date: December 15, 2022

Utility Name (Cert. No.) Nushagak Electric & Telephone Coop., Inc. (45)	Utility File No. PC81-0318S	Date Filed: November 30, 2022 and November 21, 2022
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PCE AMOUNT SUMMARY	Previously Approved PC81-0318R	Staff Recommended Amount(s) and Effective Date PC81-0318S
Class Rate	<u>Date Approved:</u> August 19, 2022	December 16, 2022
Residential	\$0.2429	\$0.2563
Community Facilities:		
Under 20kW	\$0.2429	\$0.2563
Over 20kW	\$0.2429	\$0.2563
	<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent	<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent

Prior Fuel Purchase Price: \$ <u>3.2425</u>	New Fuel Purchase Price: \$ <u>3.4395</u>
Delivery Charge: <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Surcharge Change: Previous <u>0.2233</u>	Updated <u>0.2373</u>

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-hand before deliv.	808,961	X	3.2425	=	2,623,056.04
Delivered	500,524	X	3.7579	=	1,880,919.14
	1,309,485				\$ 4,503,975.18
					Weighted Average \$ 3.4395

Signed: _____

Brenda Cox

Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 12/15/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Kurber		<i>KKI</i>		
Doyle		<i>BD</i> BD		
Pickett		<i>RMP</i> BP		
Sullivan		<i>DS</i> DS		
Wilson		<i>JW</i> JW		

Special Instructions to Staff:

*If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

NUSHAGAK ELECTRIC & TELEPHONE COOPERATIVE, INC.

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDING DECEMBER 31, 2017
Fuel Cost Update and Surcharge Change

	PC81-0318R	PC81-0318S
	Prior Commission Approval	Utility Request Staff Recommended
A. Total kWh Generated	19,029,200	19,029,200
B. Total kWh Sold	17,703,210	17,703,210
C. Total Non-Fuel Costs (Appendix 2)	3,885,919	3,885,919
D. Non-Fuel Cost/kWh (C / B)	0.2195	0.2195
E. Total Fuel Costs (Appendix 2)	4,107,093	4,356,622
F. Fuel Costs/kWh (E / B)	0.2320	0.2461
G. Eligible Costs/kWh (D + F)	0.4515	0.4656
H. Eligible Cost/kWh (G) less base rate in effect	0.2557	0.2698
I. Lesser of (H) or 80.42 cents/kWh	0.2557	0.2698
J. Average Class Rates (Appendix 3)		
Residential	0.3170	0.3310
Community Facilities:		
Under 20 KW	0.3553	0.3693
Over 20KW	0.3716	0.3856
	Class Power Cost Equalization Per kWh Payable	
K. Lesser of: (I) x 95% or (J)		
Residential	0.2429	0.2563
Community Facilities:		
Under 20 KW	0.2429	0.2563
Over 20KW	0.2429	0.2563
Funding Level in Effect	100%	100%
L. Residential	0.2429	0.2563
Community Facilities:		
Under 20 KW	0.2429	0.2563
Over 20KW	0.2429	0.2563

PC81-0318S
Appendix 1

NUSHAGAK ELECTRIC & TELEPHONE COOPERATIVE, INC.

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR TEST PERIOD ENDING DECEMBER 31, 2017

Fuel Cost Update and Surcharge Change

		PC81-0318R	PC81-0318S	
		Prior Commission Approval	Per Utility	Per Staff
Non-Fuel Costs:				
A. Personnel Costs		730,218	730,218	730,218
B. Operating Expenses		1,890,854	1,890,854	1,890,854
C. General & Administrative		903,777	903,777	903,777
D. Depreciation/Amortization		504,251	504,251	504,251
E. Interest Expense		71,276	71,276	71,276
F. Other (Waste Heat Revenue)		(214,457)	(214,457)	(214,457)
G. Total Non-Fuel Costs		3,885,919	3,885,919	3,885,919
Fuel Costs:				
H. Gallons Consumed for Electric Generation		1,266,644	1,266,644	1,266,644
I. Price of Fuel:(per gal) Weighted Average		3.2425	3.4395	3.4395
J. Total Cost of Fuel		4,107,093	4,356,622	4,356,622
K. kWh Generated		19,029,200	19,029,200	19,029,200
L. kWh Sales		17,703,210	17,703,210	17,703,210
M. kWh Station Service		390,900	390,900	390,900
N. Efficiency (K / H)	≥ Standard 13.50	15.02	15.02	15.02
O. Line Loss	≤ 12%	4.91%	4.91%	4.91%
(kWh generated - (kWh sold+Station Service)/kWh generated				

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Appendix 2

NUSHAGAK ELECTRIC & TELEPHONE COOPERATIVE, INC.

Appendix 3

Average Class Rate Calculation

Surcharge Rate: \$0.23730

Basic Charge (BC): \$20.00

Rate Schedule: Residential

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+BC	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - 0.1958
750	0.2628	0.23730	0.5001	395.0750		
750				395.0750	0.5268	0.3310
TOTAL (A)				(E)		

Rate Schedule:

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - 0.1958
TOTAL (A)				(E)		

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Appendix 3

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Appendix 3

Community Facilities Average Rate Calculation

Basic Charge (BC): \$35.00
Rate Schedule: Community under 20kW

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)+(BC/750)	(6) Average Rate(\$/kWh)- 0.1958
0 to 20,000	0.2811	0.23730	0.5651	0.3693

Rate Schedule: Community over 20kW
Basic Charge (BC): \$75.00

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)+(BC/750)	(6) Average Rate(\$/kWh)- 0.1958
0 to 99,999	0.2441	0.23730	0.5814	0.3856

Nushagak Telephone and Electric Cooperative

	Date	Gallons	Cost per Gallon	Delivery /Mark-up per Gallon	Total Cost
Beginning Fuel Inventory		808,961			
Last Approved Fuel Cost/Gal.			\$ 3.2425		
Beginning Fuel Inventory in Gallons	X	Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --->		\$	2,623,056
Reporting Period Purchases	10/18/22	500,524	3.5982		1,800,985
	10/24/22				17,094
		Loan Interest			62,844
					-
					-
					-
					-
					-
					-
					-
					-
Totals for Reporting Period Purchases on this sheet:		500,524			1,880,923
Grand Totals (beginning inventory plus purchases)		1,309,485		\$	4,503,979
Total Cost for Reporting Period divided by Total Gallons for Reporting Period =				\$	3.7579
Grand Total Cost divided by Grand Total Gallons =				\$	3.4395

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